

ANNEX 12
ESF 12 - ENERGY

COORDINATING: Office of Regulatory Staff

PRIMARY: SC Public Service Authority (Santee Cooper)

SUPPORTING: SC Energy Providers

I. INTRODUCTION

- A. Energy includes producing, refining, transporting, generating, transmitting, conserving, building, and maintaining electric and natural gas energy system components.
- B. Damage to the system can have a rippling effect on supplies, distribution, or other transmission systems.

II. PURPOSE

To assess the extent of damage, provide information, and as necessary, coordinate, monitor, and report the restoration of energy systems during a disaster in South Carolina.

III. CONCEPT OF OPERATIONS

- A. The Office of Regulatory Staff (ORS) is responsible for the coordination of all ESF-12 (Energy) administrative, management, planning, training, preparedness, mitigation, and response and recovery activities to include developing, coordinating, and maintaining the ESF-12 SOP.
- B. ESF-12 will closely coordinate with the electric and natural gas utilities operating in the State to ensure the integrity of power supply systems are maintained during emergency situations and any damages incurred are repaired and services restored in an efficient and expedient manner afterward.
- C. ESF-12 is responsible for monitoring and coordinating the availability of electric utility generating capacity and reserves, the availability and supply of natural gas, supply and transportation of generation and transportation fuels, and coordination of emergency power supply, excluding portable generators.
- D. ESF-12 will also monitor and coordinate the restoration of electric and natural gas services for normal community functioning.
- E. ESF-12 supporting agencies will assist ORS in the planning and execution of the above.
- F. ESF-12 personnel will be familiar with the National Response Framework and the corresponding Federal Emergency Management Agency (FEMA) Annex with Federal counterpart concepts, actions and responsibilities. This familiarization will include but not be limited to the structure, organization, functions and

responsibilities of the Incident Management Assist Teams (IMAT) and the Joint Field Office (JFO).

- G. ESF-12 will coordinate all supporting and other appropriate departments/agencies, organizations and utilities to ensure operational readiness.
- H. Owners and operators of investor-owned (private), and public utilities systems shall be responsible for the activation of plans for appropriate allocation of resources of personnel, equipment and services to maintain or restore utility service under their control.
- I. In coordination with and in support of the counties, ESF-12 will assess the situation (both pre- and post-event), and in coordination with local Emergency Management officials, develop strategies to respond to the emergency.
- J. ESF-12 will coordinate with public and investor-owned and operated electric and natural gas utility services to ensure provision and/or restoration of energy services to the public.
- K. Considerations for allocation of energy resources will include but are not limited to:
- Coordinating with State agencies and emergency response organizations to assist with accessing sufficient fuel supplies.
 - Coordinating technical support and personnel for support of emergency activities being conducted by local Emergency Operations Centers (EOC) or State ESFs as requested through the State Emergency Operations Center (SEOC).
 - Coordinating with utility representatives to determine emergency response and recovery needs.
 - Coordinating with ESF-6 (Mass Care) and local EOCs to identify emergency shelter power restoration status/needs and coordinate with ESF-12 support agencies and other ESFs with assistance in providing resources for emergency power generation.
- L. ESF-12 will coordinate with owners of automotive transportation fuels or non-utility fuel suppliers in the event of a shortage to ensure provision and/or restoration of related services to the public.
- M. Upon notification from operations, and/or anticipation of fuel shortages, ESF-12 will implement plans to ensure fuel stops have adequate fuel supplies and that these stops are accessible to individuals evacuating and/or emergency response personnel.
- N. ESF-12 will coordinate with Federal ESF-12 to obtain Federal assistance, as required and/or authorized.

IV. ESF ACTIONS**A. Preparedness**

1. Develop and maintain current directories of suppliers of services and products associated with this function.
2. Establish liaison with support agencies and energy-related organizations.
3. In coordination with public and private utilities, ensure plans for restoring and repairing damaged energy systems are updated.
4. In coordination with public and private utilities, establish priorities to repair damaged energy systems and coordinate the provision of temporary, alternate, or interim sources of natural gas supply, petroleum fuels, and electric power.
5. Promote and assist in developing mutual assistance compacts with the suppliers of all power resources.
6. Develop energy conservation protocols in coordination with the utilities.
7. Ensure procedures are in place to document costs for any potential Federal reimbursement.
8. Participate in State exercises and/or conduct an exercise to validate this Annex and supporting SOPs.

B. Response

1. Analyze affected areas to determine operational priorities and emergency repair procedures with utility field personnel.
2. Provide status of energy resources to the SEOC Operations Group as required and, when possible, provide data by county.
3. In coordination with public and private utilities, prioritize rebuilding processes, if necessary, to restore power to affected areas.
4. Coordinate transportation of fuel to support emergency fuel operations.
5. Administer, as needed, statutory authorities for energy priorities and allocations.
6. Apply necessary state resources, to include debris removal, in accordance with established priorities in response to an emergency.
7. Provide energy emergency information, education and conservation guidance to the public in coordination with ESF-15 (Public Information).

8. Coordinate with ESF-1 (Transportation) for information regarding transport of critical energy supplies.
9. Plan for and coordinate security for vital energy supplies with ESF-13 (Law Enforcement).
10. Maintain continual status of energy systems and the progress of utility repair and restoration activities to include collecting and providing energy damage assessment data to the Operations Section Situation Unit and ESF-14 (Initial Recovery and Mitigation).
11. Recommend energy conservation measures in coordination with the utilities.
12. Monitor/coordinate actions regarding evacuation fueling operations, and post-event fueling actions.
13. Provide ESF-12 representation on the Recovery Task Force.

C. Recovery

1. Maintain coordination with all supporting agencies and organizations on operational priorities and emergency repair and restoration.
2. Continue to provide energy emergency information, education and conservation guidance to the public in coordination with the ESF-15 (Public Information).
3. Anticipate and plan for arrival of and coordination with Federal ESF-12 and Department of Energy (DOE) personnel in the SEOC and the JFO.
4. Continue to monitor restoration operations until reliable services have been restored.
5. Ensure that ESF-12 team members and their support agencies maintain appropriate records of costs incurred during the event.
6. Support long-term recovery priorities as identified by the Recovery Task Force.
7. Function as a representative of State ESF-12 at the JFO.

D. Mitigation

1. Support mitigation measures including monitoring and updating mitigation actions in the State Hazard Mitigation Plan.
2. Review, evaluate and comment on proposed State Hazard Mitigation Plan amendments, upon initiation and within review period.

3. Support requests and directives from the Governor and/or FEMA concerning mitigation and/or re-development activities.
4. Document matters that may be needed for inclusion in agency or state/federal briefings, situation reports and action plans.

V. RESPONSIBILITIES

- A. General. ESF-12 lead and support agencies will ensure their personnel are familiar with the corresponding Federal ESF 12 Annex with Federal counterpart concepts, actions and responsibilities. This familiarization will include but not be limited to the organization, functions and responsibilities of the IMAT and JFO.
- B. Office of Regulatory Staff
 1. Identify, train, and assign ORS personnel to staff ESF-12 in the SEOC.
 2. Maintain communications with electric utilities in responding to and recovering from emergencies regarding electric generating capacity shortages, electric generating fuel shortages, transmission and distribution line outages, and electrical service outages affecting the public.
 3. Develop protocols to establish priorities to repair damaged energy systems and coordinate the provision of temporary, alternate, or interim sources of natural gas supply and electric power.
 4. Develop protocols to report the following:
 - State electric generating capacity
 - State electric demand
 - By county and other jurisdictions, number of customers impacted, and estimated restoration time
 - Status of major generating unit outages
 - Expected duration of event
 - Explanation of utility planned actions and recommendations of agency actions in support of utilities
 - Status of natural gas pipelines to include private sector providers that connect to state maintained pipelines
 5. Monitor/coordinate actions regarding post-event fueling operations.
 6. Coordinate support for the execution of fueling plans to support evacuations and emergency operations. This includes the Hurricane Evacuation Fueling and Refueling Operations Plan (see Annex G to Appendix 1 (Hurricane Plan) to the SCEOP), and the Post-Disaster Refueling Operations For

Emergency Response Vehicles/Equipment Plan [see Annex 1 to Attachment 1 (SC Logistics Plan) to the SCEOP].

7. Coordinate efforts to manage transportation fuels or non-utility fuel supplies in the event of a shortage required for residential, commercial, or industrial purposes.
8. Provide technical assistance to include those items listed above.

C. SC Public Service Authority (Santee Cooper)

1. Identify and assign personnel to maintain contact with and prepare to execute missions in support of ESF-12 during periods of activation.
2. Staff ESF-12 in the SEOC, as requested.
3. Provide equipment and technical assistance.

VI. FEDERAL ASSISTANCE

- A. This Annex is supported by the National Response Framework for ESF-12 (Energy). ESF-12 (Energy) is intended to facilitate the restoration of damaged energy systems and components when activated by the Secretary of Homeland Security for incidents requiring a coordinated Federal response
- B. Under DOE leadership, ESF-12 is an integral part of the larger DOE responsibility of maintaining continuous and reliable energy supplies for the United States through preventive measures and restoration and recovery actions.